Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/04/2018 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123937	-1	1.67	123813	1.62
Blue	F	SSC	125000	123640	-2	3.05	123937	2.87
Blue	E	FITC	23615	22939	-3	2.65	1021	10.80
Blue	D	PE	26739	26511	-1	2.20	953	10.51
Blue	B	PerCP-Cy5-5	48339	47128	-3	3.52	1360	17.54
Blue	A	PE-Cy7	45021	44508	-2	5.34	684	37.50
Red	C	APC	53064	52272	-2	2.76	2995	9.66
Red	A	APC-Cy7	57175	56774	-1	2.67	1184	11.18
Violet	B	V450	14728	13955	-6	4.64	670	9.64
Violet	A	V500	58621	56618	-4	4.57	2503	6.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19718	2.74	614	0	N/A	N/A	Pass
Blue	F	SSC	61170	1.67	562	16	N/A	N/A	Pass
Blue	E	FITC	116	39.65	552	4	0.0186	131	Pass
Blue	D	PE	211	30.41	543	7	0.1368	226	Pass
Blue	B	PerCP-Cy5-5	212	47.22	641	6	0.0093	113	Pass
Blue	A	PE-Cy7	73	126.30	699	6	0.0106	13	Pass
Red	C	APC	343	28.94	600	3	0.0195	87	Pass
Red	A	APC-Cy7	129	41.78	583	3	0.0056	1987	Pass
Violet	B	V450	82	44.66	463	-7	0.0429	2113	Pass
Violet	A	V500	183	24.84	490	-7	0.0147	995	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.53	-30.93	0.99
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.35
Red	16.87	14.40 - 21.60	N/A	N/A	30.53	31.16	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10050

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments